

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A data transmission apparatus for transmitting multi-media data comprising kinds of data having respective priority, the apparatus comprising:

means for selecting an error-correction coding method for each of the kinds of data based on the priority of each of the kinds;

means for error-correction coding of each of the kinds of data using the selected error-correction coding method; and

means for multiplexing plurality of coded data and transmitting multiplexed data through a transmission channel,

wherein the error-correction coding method is based on a plural-time transmission method and said selecting means determines the number of times of transmission in the plural-time transmission method based on the priority.

2. (Canceled)

3. (Previously Presented) The data transmission apparatus according to claim 1, further comprising means for stopping at least one of error-correction coding, multiplexing the coded data, and transmission of the multiplexed data based on the priority.

4. (Previously Presented) The data transmission apparatus according to claim 1, further comprising means for detecting a traffic quality of the transmission channel, and wherein said selecting means selects an error-correction coding method based on the kind and the traffic quality.

5. (Original) The data transmission apparatus according to claim 4, wherein the error-correction coding method is based on a plural-time transmission method and said selecting means determines the number of times of transmission in the plural-time transmission method based on the priority and the traffic quality.

6. (Previously Presented) The data transmission apparatus according to claim 4, further comprising means for stopping at least one of error-correction coding, multiplexing the coded data, and transmission of the multiplexed data based on the priority and the traffic quality.

7. (Currently Amended) A data reception apparatus for receiving coded transmission multi-media data comprising kinds of coded data, each kind having a priority, the apparatus comprising:

means for receiving and demultiplexing the coded transmission data into the kinds of coded data;

means for detecting the priority of each kind; and

means for error-correction decoding of each of the kinds of the coded data based on the priority detected by said detecting means,

wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding means determines a value of the coded data using a majority method based on the priority.

8. (Canceled)

9. (Original) The data reception apparatus according to claim 7, further comprising means for stopping an operation of said error-correction decoding means based on the priority.

10. (Previously Presented) The data reception apparatus according to claim 7, further comprising means for detecting a traffic quality of a transmission channel for transmitting the coded data, and wherein said error-correction decoding means error-correction decodes the coded data based on the priority and the traffic quality detected by said detecting means.

11. (Previously Presented) The data reception apparatus according to claim 10, wherein the coded transmission data is based on a plural-time transmission coding method and said error-correction decoding means determines a value of the coded data using a majority method based on the priority and the traffic quality.

12. (Original) The data reception apparatus according to claim 10, further comprising means for stopping an operation of said error-correction decoding means based on the priority and the traffic quality.

13-14. (Canceled)

15. (Currently Amended) A data transmission method for transmitting multi-media data comprising kinds of data having respective priority, the method comprising the following steps of:

selecting an error-correction coding method for each of the kinds of data based on the priority;

error-correction coding of each of the kinds of data using the selected error-correction coding method; and

multiplexing plurality of kinds of coded data and transmitting multiplexed data through a transmission channel,

wherein the error-correction coding method is based on a plural-time transmission method and said selecting step determines the number of times of transmission in the plural-time transmission method based on the priority.

16. (Canceled)

17. (Previously Presented) The data transmission method according to claim 15, further comprising a step of stopping at least one of error-correction coding,

multiplexing the kinds of coded data, and transmission of the multiplexed data based on the priority.

18. (Previously Presented) The data transmission method according to claim 15, further comprising a step of detecting a traffic quality of the transmission channel, and wherein said selecting step selects an error-correction coding method based on the priority of each kind of data and the traffic quality.

19. (Original) The data transmission method according to claim 18, wherein the error-correction coding method is based on a plural-time transmission method and said selecting step determines the number of times of transmission in the plural-time transmission method based on the priority and the traffic quality.

20. (Previously Presented) The data transmission method according to claim 18, further comprising a step of stopping at least one of error-correction coding, multiplexing the coded data, and transmission of the multiplexed data based on the priority and the traffic quality.

21. (Currently Amended) A data reception method for receiving coded transmission data comprising kinds of coded data, each having a priority, the method comprising the following steps of:

receiving and demultiplexing the coded transmission data into the kinds of coded data;

detecting the priority of each kind of coded data; and
error-correction decoding of each of the kinds of the coded data based on the
priority detected by said detecting step.

wherein the coded transmission data is based on a plural-time transmission
coding method and said error-correction decoding step determines a value of the coded
data using a majority method based on the priority.

22. (Canceled)

23. (Original) The data reception method according to claim 21, further
comprising a step of stopping an operation of said error-correction decoding step based
on the priority.

24. (Previously Presented) The data reception method according to claim 21,
further comprising a step of detecting a traffic quality of a transmission channel for
transmitting the coded data, and wherein said error-correction decoding step error-
correction decodes the coded data based on the priority and the traffic quality detected
by said detecting step.

25. (Previously Presented) The data reception method according to claim 24,
wherein the coded transmission data is based on a plural-time transmission coding
method and said error-correction decoding step determines a value of the coded data
using a majority method based on the priority and the traffic quality.

26. (Original) The data reception method according to claim 24, further comprising a step of stopping an operation of said error-correction decoding step based on the priority and the traffic quality.

27-28. (Canceled)